

### National Functional Guidelines Report #03

Lab MITKEM(Mitkem Laboratories) SDG F6AC0 Case 42764 Contract EPW11033 Region 6 DDTID 158552 SOW SOM01.2

### Data Review Reports

Blanks

Blanks	VOA_Low_Med
VLB11	The following volatile samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated method blank common contaminant concentration is less than 2x the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	F6AE0
	<b>Methylene chloride</b> F6AE0



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**Data Review Reports**

Continuing Calibration Verification

Continuing Calibration Verification	VOA_Low_Med
VC14	The following volatile samples are associated with a CCV with relative response factors (RRF50) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified R. F6AC0, F6AC9, F6AC9RE, F6AD0, F6AD0RE, F6AD1, F6AD2, F6AD2RE, F6AD3, F6AD4, F6AD5, F6AD6, F6AD7, F6AD8, F6AD9, F6AD9RE, F6AE0, F6AE0RE, F6AE1, F6AE2, F6AF2, F6AF3, F6AF5, F6AF6, F6AF7, VBLK5W, VBLK5X, VBLK5Y, VBLKE5, VBLKH5, VHBLKH5
	<b>1,4-Dioxane</b> VSTD0505X, VSTD0505Y, VSTD0505Z, VSTD050E5, VSTD050F5, VSTD050H5, VSTD050I5
	F6AC0, F6AC9, F6AC9RE, F6AD0, F6AD0RE, F6AD1, F6AD2, F6AD2RE, F6AD3, F6AD4, F6AD5, F6AD6, F6AD7, F6AD8, F6AD9, F6AD9RE, F6AE0, F6AE0RE, F6AE1, F6AE2, F6AF2, F6AF3, F6AF5, F6AF6, F6AF7, VBLK5W, VBLK5X, VBLK5Y, VBLKE5, VBLKH5, VHBLKH5
Continuing Calibration Verification	VOA_Low_Med
VC21	The following volatile samples are associated with a continuing calibration in which a DMC exceeded percent difference (%D) criteria. Detected and nondetected compounds are not qualified.
	F6AF2, F6AF3, F6AF5, F6AF6, F6AF7, VBLK5Y
	<b>1,1-Dichloroethene-d2</b> VSTD0505Y
	F6AF2, F6AF3, F6AF5, F6AF6, F6AF7, VBLK5Y

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Continuing Calibration Verification

Continuing Calibration Verification	BNA
BC10	The following semivolatile samples are associated with an opening or closing CCV percent difference (%D) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified UJ. F6AC0, F6AC9, F6AD0, F6AD1, F6AD2, F6AD3, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AD8, F6AD9, F6AE0, F6AE1, F6AE2, F6AF2, F6AF3, F6AF5, F6AF6, F6AF7, SBLK4P, SBLK4U
	<b>Bis(2-chloroethyl)ether</b> SSTD0204R
	<b>Benzo(k)fluoranthene</b> SSTD0204U
	<b>2,4-Dinitrophenol</b> SSTD0204Q, SSTD0204S, SSTD0204U
	<b>Hexachlorocyclopentadiene</b> SSTD0204Q, SSTD0204S, SSTD0204U
	<b>Benzo(b)fluoranthene</b> SSTD0204U
	<b>4,6-Dinitro-2-methylphenol</b> SSTD0204Q, SSTD0204S, SSTD0204U
	<b>Pentachlorophenol</b> SSTD0204P, SSTD0204R, SSTD0204S, SSTD0204T F6AC0, F6AC9, F6AD0, F6AD1, F6AD2, F6AD3, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AD8, F6AD9, F6AE0, F6AE1, F6AE2, F6AF2, F6AF3, F6AF5, F6AF6, F6AF7, SBLK4P, SBLK4U
Continuing Calibration Verification	BNA
BC21	The following semivolatile samples are associated with a continuing calibration in which a surrogate/DMC exceeded percent difference (%D) criteria. Detected and nondetected compounds are not qualified. F6AC0, F6AC9, F6AD0, F6AD1, F6AD2, F6AD3, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AD8, F6AD9, F6AE0, F6AE1, F6AE2, F6AF2, F6AF3, F6AF5, F6AF6, F6AF7, SBLK4P, SBLK4U
	<b>4-Nitrophenol-d4</b> SSTD0204Q
	<b>4,6-Dinitro-2-methylphenol-d2</b> SSTD0204Q, SSTD0204S, SSTD0204U F6AC0, F6AC9, F6AD0, F6AD1, F6AD2, F6AD3, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AD8, F6AD9, F6AE0, F6AE1, F6AE2, F6AF2, F6AF3, F6AF5, F6AF6, F6AF7, SBLK4P, SBLK4U

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### Data Review Reports

DMC/Surrogate

DMC/Surrogate	VOA_Low_Med
VDSS3	The following volatile samples have DMC/SMC recoveries above the upper limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are not qualified.
	F6AC9, F6AC9RE, F6AD0, F6AD0RE, F6AD2, F6AD2RE, F6AD3, F6AD4, F6AD5, F6AD8, F6AD9, F6AD9RE, F6AE0, F6AE0RE, F6AE2, F6AF7
	<b>Toluene-d8</b> F6AD0RE, F6AD2RE
	Ethylbenzene, Isopropylbenzene, Styrene, Tetrachloroethene, Toluene, Trichloroethene, m,p-Xylene, o-Xylene
	<b>Benzene-d6</b> F6AC9RE, F6AD0RE, F6AD2RE, F6AD5, F6AD9, F6AD9RE, F6AE0, F6AE0RE, F6AE2
	Benzene
	<b>1,2-Dichloropropane-d6</b> F6AC9, F6AC9RE, F6AD0, F6AD0RE, F6AD2, F6AD2RE, F6AD3, F6AD4, F6AD5, F6AD8, F6AD9, F6AD9RE, F6AE0, F6AE0RE, F6AE2
	1,2-Dichloropropane, Bromodichloromethane, Cyclohexane, Methylcyclohexane
	<b>2-Hexanone-d5</b> F6AF7
	2-Hexanone, 4-Methyl-2-pentanone
	<b>1,2-Dichloroethane-d4</b> F6AC9RE
	1,1,1-Trichloroethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,2-Dibromoethane, 1,2-Dichloroethane, Carbon tetrachloride, Methyl acetate, Methyl tert-butyl ether, Methylene chloride, Trichlorofluoromethane
	<b>2-Butanone-d5</b> F6AF7
	2-Butanone, Acetone
	<b>1,4-Dioxane-d8</b> F6AC9RE, F6AD9, F6AE0
	1,4-Dioxane
	<b>Chloroethane-d5</b> F6AD0RE
	Bromomethane, Carbon disulfide, Chloroethane, Chloromethane, Dichlorodifluoromethane
DMC/Surrogate	VOA_Low_Med
VDSS4	The following volatile samples have one or more DMC/SMC recovery values is less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	F6AC9RE, F6AD0RE, F6AD2RE, F6AD6, F6AD9, F6AD9RE, F6AE0
	<b>2-Butanone-d5</b> F6AC9RE, F6AD9, F6AD9RE
	2-Butanone, Acetone
	<b>trans-1,3-Dichloropropene-d4</b> F6AD0RE, F6AD2RE, F6AD6, F6AD9RE, F6AE0
	1,1,2-Trichloroethane, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene

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DMC/Surrogate

DMC/Surrogate	BNA
BDSS14	The following semivolatile samples have deuterated monitoring compound recovery above the upper limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are not qualified.
	F6AD6
	<b>4-Chloroaniline-d4</b> F6AD6
	3,3'-Dichlorobenzidine, 4-Chloroaniline, Hexachlorocyclopentadiene
DMC/Surrogate	BNA
BDSS15	The following semivolatile samples have deuterated monitoring compound recovery below the lower limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	F6AD6, F6AD7, F6AD8, F6AD9, F6AE0, F6AE2, F6AF3, F6AF5, F6AF6, F6AF7
	<b>Benzo(a)pyrene-d12</b> F6AD6, F6AD7, F6AD8, F6AD9, F6AE0, F6AE2, F6AF6, F6AF7
	Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene
	<b>Pyrene-d10</b> F6AF6, F6AF7
	Benzo(a)anthracene, Chrysene, Fluoranthene, Pyrene
	<b>Fluorene-d10</b> F6AF3, F6AF5, F6AF6, F6AF7
	4-Bromophenyl-phenylether, 4-Chlorophenyl-phenylether, Carbazole, Dibenzofuran, Fluorene
	<b>2,4-Dichlorophenol-d3</b> F6AD7, F6AD8, F6AD9
	1,2,4,5-Tetrachlorobenzene, 2,3,4,6-Tetrachlorophenol, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 4-Chloro-3-methylphenol, Hexachlorobutadiene, Pentachlorophenol
	<b>Dimethylphthalate-d6</b> F6AD6, F6AE2, F6AF5, F6AF7
	1,1'-Biphenyl, Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Caprolactam, Di-n-butylphthalate, Di-n-octylphthalate, Diethylphthalate, Dimethylphthalate

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DMC/Surrogate

DMC/Surrogate	Pest
PDSS5	The following pesticide samples have surrogate percent recoveries outside the lower limit of the criteria window, but greater than 10%. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	F6AC0MS
	<b>Tetrachloro-m-xylene</b> F6AC0MS
	4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Aldrin, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin aldehyde, Endrin ketone, Heptachlor, Heptachlor epoxide, Methoxychlor, Toxaphene, alpha-BHC, alpha-Chlordane, beta-BHC, delta-BHC, gamma-BHC (Lindane), gamma-Chlordane

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### Data Review Reports

Detection Limit

Detection Limit	VOA_Low_Med
VDL1	The following volatile samples have analyte concentrations below the quantitation limit (CRQL).    Detected compounds are qualified J.    Nondetected compounds are not qualified.
	F6AC9, F6AD0, F6AD2RE, F6AD5, F6AD6, F6AD7, F6AD9RE, F6AE0, F6AF5, VBLK5X
	<b>Carbon disulfide</b> F6AD2RE, F6AF5
	<b>Isopropylbenzene</b> F6AD6, F6AD7
	<b>m,p-Xylene</b> F6AD6
	<b>Ethylbenzene</b> F6AD6
	<b>Acetone</b> F6AD9RE
	<b>o-Xylene</b> F6AD5, F6AD6
	<b>Methylene chloride</b> F6AC9, F6AD0, F6AE0, VBLK5X
	<b>Methylcyclohexane</b> F6AD6

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### Data Review Reports

Detection Limit

Detection Limit	BNA
BDL1	The following semivolatile samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	F6AC0, F6AC9, F6AD0, F6AD1, F6AD2, F6AD3, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AD8, F6AD9, F6AE0, F6AE1, F6AE2, F6AF2, F6AF3, F6AF5, F6AF6, F6AF7
	<b>Benzo(k)fluoranthene</b> F6AD3, F6AD4, F6AD5, F6AD6, F6AD8, F6AF2
	<b>Anthracene</b> F6AD4, F6AD6DL, F6AD7, F6AE1, F6AF2
	<b>Fluoranthene</b> F6AD3, F6AD8
	<b>Fluorene</b> F6AD5, F6AD6DL, F6AD7, F6AE1, F6AE2
	<b>Benzo(g,h,i)perylene</b> F6AD3, F6AD5, F6AD8, F6AF2
	<b>Phenol</b> F6AC0, F6AD1
	<b>Pyrene</b> F6AC9, F6AD3, F6AD7, F6AD8
	<b>Indeno(1,2,3-cd)pyrene</b> F6AD3, F6AD5, F6AD6, F6AF2
	<b>Acenaphthylene</b> F6AD4
	<b>Benzo(a)anthracene</b> F6AD3, F6AD4, F6AD5, F6AD6, F6AF2
	<b>Di-n-butylphthalate</b> F6AC0, F6AC9, F6AD0, F6AD1, F6AD2, F6AD3, F6AD7, F6AD8, F6AD9, F6AE0, F6AE2, F6AF2, F6AF3, F6AF5, F6AF6, F6AF7
	<b>Chrysene</b> F6AD3, F6AD5, F6AD7, F6AF2
	<b>Phenanthrene</b> F6AD3, F6AD6DL, F6AE1, F6AE2
	<b>Carbazole</b> F6AD4, F6AD6DL, F6AF2
	<b>Acenaphthene</b> F6AD7
	<b>Benzo(b)fluoranthene</b> F6AD3, F6AD5, F6AD8, F6AF2
	<b>Benzo(a)pyrene</b> F6AD3, F6AD5, F6AD6, F6AF2
	<b>2-Methylnaphthalene</b> F6AE1
	<b>Acetophenone</b> F6AC0, F6AD0, F6AD1, F6AD2, F6AD3, F6AD4, F6AD5
	<b>Bis(2-ethylhexyl)phthalate</b> F6AD1, F6AD3, F6AD4, F6AD5, F6AD6, F6AD8, F6AE0, F6AE1, F6AE2, F6AF2, F6AF3, F6AF5, F6AF7
	<b>Dibenzo(a,h)anthracene</b> F6AD4, F6AD6

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#### Data Review Reports

Detection Limit

Detection Limit	Pest
PDL1	The following pesticide samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	F6AC0, F6AC9, F6AD1, F6AD2, F6AD4, F6AD5, F6AF6, PLCS5U
	<b>alpha-Chlordane</b> F6AC0, F6AD1, F6AD2
	<b>4,4'-DDT</b> F6AC9, F6AD4, F6AD5
	<b>Endosulfan sulfate</b> F6AD1, PLCS5U
	<b>4,4'-DDE</b> PLCS5U
	<b>gamma-Chlordane</b> F6AD5, PLCS5U
	<b>gamma-BHC (Lindane)</b> PLCS5U
	<b>Dieldrin</b> PLCS5U
	<b>delta-BHC</b> F6AD2
	<b>Endrin</b> PLCS5U
	<b>Heptachlor epoxide</b> PLCS5U
	<b>beta-BHC</b> F6AD4, F6AF6
Detection Limit	Pest
PDL3	The percent difference between analyte results for the following pesticide samples is greater than 25%. Detected and nondetected compounds are not qualified.
	F6AD1, F6AD2, F6AD4, F6AD5
	<b>alpha-Chlordane</b> F6AD1, F6AD2
	<b>Endosulfan sulfate</b> F6AD1
	<b>gamma-Chlordane</b> F6AD5
	<b>delta-BHC</b> F6AD2
	<b>beta-BHC</b> F6AD4, F6AD5

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### *Data Review Reports*

Detection Limit

Detection Limit	Aroclor
ADL1	The following aroclor samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	ALCS3J
	<b>Aroclor-1260</b> ALCS3J
	<b>Aroclor-1016</b> ALCS3J
Detection Limit	Aroclor
ADL3	The relative percent difference between analyte results for the following aroclor samples is greater than 25%. Detected and nondetected compounds are not qualified.
	F6AD6, F6AD8
	<b>Aroclor-1260</b> F6AD6, F6AD8

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Initial Calibration

Initial Calibration	VOA_Low_Med
VC15	The following volatile samples are associated with an initial calibration with relative response factors (RRFs) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified R. F6AC0, F6AC9, F6AC9RE, F6AD0, F6AD0RE, F6AD1, F6AD2, F6AD2RE, F6AD3, F6AD4, F6AD5, F6AD6, F6AD7, F6AD8, F6AD9, F6AD9RE, F6AE0, F6AE0RE, F6AE1, F6AE2, F6AF2, F6AF3, F6AF5, F6AF6, F6AF7, VBLK5W, VBLK5X, VBLK5Y, VBLKE5, VBLKH5, VHBLKH5
	<b>1,4-Dioxane</b> VSTD0055W, VSTD005D5, VSTD0105W, VSTD010D5, VSTD0505W, VSTD050D5, VSTD1005W, VSTD100D5, VSTD2005W, VSTD200D5
	F6AC0, F6AC9, F6AC9RE, F6AD0, F6AD0RE, F6AD1, F6AD2, F6AD2RE, F6AD3, F6AD4, F6AD5, F6AD6, F6AD7, F6AD8, F6AD9, F6AD9RE, F6AE0, F6AE0RE, F6AE1, F6AE2, F6AF2, F6AF3, F6AF5, F6AF6, F6AF7, VBLK5W, VBLK5X, VBLK5Y, VBLKE5, VBLKH5, VHBLKH5
Initial Calibration	VOA_Low_Med
VC19	The following volatile samples are associated with an initial calibration in which a DMC exceeded percent relative standard deviation (%RSD) criteria. Detected and nondetected compounds are not qualified. F6AC0, F6AC9, F6AD0, F6AD1, F6AD2, F6AD3, F6AD4, F6AD5, F6AD6, F6AD7, F6AD8, F6AD9, F6AE0, F6AF2, F6AF3, F6AF5, F6AF6, F6AF7, VBLK5W, VBLK5X, VBLK5Y
	<b>1,1-Dichloroethene-d2</b> VSTD0505W
	F6AC0, F6AC9, F6AD0, F6AD1, F6AD2, F6AD3, F6AD4, F6AD5, F6AD6, F6AD7, F6AD8, F6AD9, F6AE0, F6AF2, F6AF3, F6AF5, F6AF6, F6AF7, VBLK5W, VBLK5X, VBLK5Y
Initial Calibration	VOA_Low_Med
VC20	The following volatile samples are associated with an initial calibration in which a DMC did not meet relative response factor (RRF) criteria. Detected and nondetected compounds are not qualified. F6AC0, F6AC9, F6AC9RE, F6AD0, F6AD0RE, F6AD1, F6AD2, F6AD2RE, F6AD3, F6AD4, F6AD5, F6AD6, F6AD7, F6AD8, F6AD9, F6AD9RE, F6AE0, F6AE0RE, F6AE1, F6AE2, F6AF2, F6AF3, F6AF5, F6AF6, F6AF7, VBLK5W, VBLK5X, VBLK5Y, VBLKE5, VBLKH5, VHBLKH5
	<b>1,4-Dioxane-d8</b> VSTD0055W, VSTD005D5, VSTD0105W, VSTD010D5, VSTD0505W, VSTD050D5, VSTD1005W, VSTD100D5, VSTD2005W, VSTD200D5
	F6AC0, F6AC9, F6AC9RE, F6AD0, F6AD0RE, F6AD1, F6AD2, F6AD2RE, F6AD3, F6AD4, F6AD5, F6AD6, F6AD7, F6AD8, F6AD9, F6AD9RE, F6AE0, F6AE0RE, F6AE1, F6AE2, F6AF2, F6AF3, F6AF5, F6AF6, F6AF7, VBLK5W, VBLK5X, VBLK5Y, VBLKE5, VBLKH5, VHBLKH5

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Internal Standard

Internal Standard	VOA_Low_Med
VIS31	The following volatile samples have internal standard area counts that are outside the lower limit of primary criteria. Detected compounds are qualified J. Nondetected compounds are qualified R.
	F6AC9, F6AC9RE, F6AD0, F6AD0RE, F6AD2, F6AD2RE, F6AD9, F6AE0, F6AE0RE
	<b>1,4-Dichlorobenzene-d4</b> F6AC9, F6AC9RE, F6AD0, F6AD0RE, F6AD2, F6AD2RE, F6AD9, F6AE0, F6AE0RE
	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Bromoform

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Matrix Spikes

Matrix Spikes	Pest
PMS1	The relative percent difference (RPD) between the following pesticide matrix spike and matrix spike duplicate recoveries is outside criteria. Detected compounds in parent sample are qualified J. Nondetected compounds in parent sample are not qualified.
	F6AC0MS, F6AC0MSD
	<b>Heptachlor</b> F6AC0MS, F6AC0MSD
	<b>Dieldrin</b> F6AC0MS, F6AC0MSD
Matrix Spikes	Pest
PMS5	The following pesticide matrix/matrix spike duplicate samples have percent recoveries that are greater than or equal to the lower expanded criteria limit but less than the lower primary criteria limit. Detected compounds in parent sample are qualified J. Nondetected compounds in parent sample are qualified UJ.
	F6AC0MS, F6AC0MSD
	<b>Heptachlor</b> F6AC0MS
	<b>gamma-BHC (Lindane)</b> F6AC0MS, F6AC0MSD
	<b>Aldrin</b> F6AC0MS
	<b>Endrin</b> F6AC0MS

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Matrix Spikes

Matrix Spikes	Aroclor
AMS1	The relative percent difference (RPD) between the following aroclor matrix spike and matrix spike duplicate recoveries is outside criteria. Detected compounds in parent sample are qualified J. Nondetected compounds in parent sample are not qualified.
	F6ACOMS, F6AC0MSD
	<b>Aroclor-1016</b> F6ACOMS, F6AC0MSD

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### Data Review Reports

TIC

TIC	VOA_Low_Med
VTIC1	A library search indicates a match at or above 85% for a TIC compound in the volatile sample. Detected compounds are qualified NJ. Nondetected compounds are not qualified.
	F6AD0RE, F6AD5, F6AD6, F6AD7, F6AD8, F6AD9, F6AE0, F6AE1, F6AE2, F6AF2, VBLK5X, VBLK5Y
	<b>1H-Indene, 2,3-dihydro-5-methyl-</b> F6AD6
	<b>1H-Indene, 2,3-dihydro-1,3-dimethyl-</b> F6AD6, F6AD7
	<b>Benzene, 1-ethyl-2-methyl-</b> F6AD6
	<b>Benzene, (2-methyl-1-butenyl)-</b> F6AD5
	<b>3-Phenylbut-1-ene</b> F6AD7
	<b>1H-Indene,2,3-dihydro-2,2-dimethyl-</b> F6AE1
	<b>Benzene, (1-methylpropyl)-</b> F6AD5
	<b>1H-Indene, 2,3-dihydro-4-methyl-</b> F6AD5
	<b>Benzene, 1-methyl-4-(1-methylpropyl)-</b> F6AD7
	<b>1H-Indene, 2,3-dihydro-1,6-dimethyl-</b> F6AD7
	<b>Benzene, 2-ethyl-1,4-dimethyl-</b> F6AD5, F6AD6
	<b>Naphthalene, 2,3-dimethyl-</b> F6AD6, F6AD7, F6AD8, F6AD9, F6AF2, VBLK5Y
	<b>Benzene, 1-ethenyl-4-ethyl-</b> F6AD7
	<b>Benzene, 1-(1-methylethenyl)-3-(1-methyl</b> F6AE1
	<b>Benzocycloheptatriene</b> F6AD9, F6AE0, VBLK5Y
	<b>Naphthalene, 1-methyl-</b> F6AD6, F6AD7, F6AD8, F6AD9
	<b>Naphthalene, 2-ethyl-</b> F6AD7
	<b>Benzene, 1,4-diethyl-</b> F6AD7
	<b>Benzene, 1-methyl-2-(1-methylethyl)-</b> F6AD6
	<b>Benzene, 1,2,3,4-tetramethyl-</b> F6AD6, F6AE1
	<b>Benzene, 1,2-diethyl-</b> F6AD5
	<b>1H-Indene, 1-methyl-</b> F6AD6
	<b>Benzene, 1,2,3-trimethyl-</b> F6AD6
	<b>Indan, 1-methyl-</b> F6AD5, F6AD6
	<b>Benzene, 1,2,4,5-tetramethyl-</b> F6AD5, F6AD7

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TIC

TIC	VOA_Low_Med
	Benzene, 1,2,4-trimethyl- F6AD6
	Dimethyl sulfide F6AD0RE
	Naphthalene, 2,6-dimethyl- F6AD7, F6AE0, VBLK5X, VBLK5Y
	Naphthalene, 1,2,3,4-tetrahydro-1-methyl F6AD7
	Benzene, 1-ethyl-4-methyl- F6AD6
	Benzene, (1-methyl-1-butenyl)- F6AD5
	Naphthalene, 1,8-dimethyl- F6AD8
	Benzene, 1,3-diethyl- F6AD6
	Benzene, 1-ethyl-2,4-dimethyl- F6AD7
	Benzene, (1-methyl-1-propenyl)-, (Z)- F6AE2
	1H-Indene, 2,3-dihydro-4,7-dimethyl- F6AD6
	Decahydro-4,4,8,9,10-pentamethylnaphthal F6AD5
	Benzene, 1-ethenyl-3-ethyl- F6AD5, F6AD6, F6AD7
	1H-Indene, 2,3-dihydro-1,2-dimethyl- F6AD5, F6AD6
	Naphthalene, 1,7-dimethyl- F6AD9, VBLK5X
	1-Methyldecahydronaphthalene F6AD5
	Acenaphthene F6AD9, F6AE0, VBLK5Y
	1H-Indene, 2,3-dihydro-1,1-dimethyl- F6AD6, F6AD7
	Disulfide, dimethyl F6AD0RE
	1H-Indene, 2,3-dihydro-2-methyl- F6AD5
	Naphthalene, 1,2-dimethyl- F6AE0, VBLK5Y
	Benzene, propyl- F6AD5

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## Data Review Reports

TIC

TIC	BNA
BTIC1	A library search indicates a match at or above 85% for a TIC compound in the semivolatle sample. Detected compounds are qualified NJ. Nondetected compounds are not qualified.
	F6AC0, F6AC9, F6AD0, F6AD1, F6AD2, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AD9, F6AE1, F6AE2, F6AF5, F6AF7
	<b>Benzene, (2-methyl-1-butenyl)-</b> F6AD6DL
	<b>trans-1-Phenyl-1-pentene</b> F6AD6
	<b>Anthracene, 1-methyl-</b> F6AD7
	<b>13-Docosenamide, (Z)-</b> F6AD2
	<b>Naphthalene, 2,3-dimethyl-</b> F6AD6, F6AD6DL
	<b>Phenanthrene, 1-methyl-7-(1-methylethyl)</b> F6AF5
	<b>Azulene, 4,6,8-trimethyl-</b> F6AD6DL
	<b>Naphthalene, 1,6-dimethyl-</b> F6AD7
	<b>Naphthalene, 2-(1-methylethyl)-</b> F6AE1
	<b>Benzocycloheptatriene</b> F6AD5
	<b>Naphthalene, 1-methyl-</b> F6AD6, F6AD6DL
	<b>Diethyltoluamide</b> F6AD2
	<b>Naphthalene, 1,3-dimethyl-</b> F6AD5
	<b>Phenanthrene, 2-methyl-</b> F6AD5
	<b>Naphthalene, 1,4,5-trimethyl-</b> F6AD6DL, F6AE2
	<b>Naphthalene, 1,4-dimethyl-</b> F6AD6DL
	<b>19-Nor-5.beta.-con-9-enin-6.beta.-ol, 3.</b> F6AD0
	<b>3-(2-Methyl-propenyl)-1H-indene</b> F6AD7
	<b>Naphthalene, 2,6-dimethyl-</b> F6AD5, F6AE1
	<b>Naphthalene, 1,4,6-trimethyl-</b> F6AD5, F6AD6, F6AD6DL
	<b>Azulene, 7-ethyl-1,4-dimethyl-</b> F6AD6, F6AE2
	<b>Naphthalene, 2,7-dimethyl-</b> F6AD5, F6AD6, F6AD6DL, F6AD7, F6AE1, F6AE2
	<b>9-Octadecenamide, (Z)-</b> F6AC9, F6AE2
	<b>9(1H)-Phenanthrenone, 2,3,4,4a,10,10a-he</b> F6AC0, F6AD0, F6AD1
	<b>di-p-Tolylacetylene</b> F6AD7

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TIC

TIC	BNA
	<b>Pentanamide, 4-methyl-</b> F6AD9
	<b>Phenanthrene, 1-methyl-</b> F6AD6, F6AD6DL
	<b>1,4,5,8-Tetramethylnaphthalene</b> F6AD6
	<b>1H-Indene, 2,3-dihydro-4,7-dimethyl-</b> F6AD5
	<b>1,2-Benzenedicarboxylic acid, butyl 2-me</b> F6AD0
	<b>Naphthalene, 2,3,6-trimethyl-</b> F6AD7
	<b>1,2-Benzenedicarboxylic acid, bis(2-meth</b> F6AF5
	<b>Naphthalene, 1,6,7-trimethyl-</b> F6AD5, F6AD6, F6AD7, F6AE2
	<b>Squalene</b> F6AD5, F6AF7
TIC	BNA
BTIC2	A library search indicates a match below 85% for a TIC compound in the semivolatile sample Detected compounds are qualified J. Nondetected compounds are not qualified.
	F6AC0, F6AC9, F6AD0, F6AD1, F6AD2, F6AD3, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AD8, F6AD9, F6AE0, F6AE1, F6AE2, F6AF2, F6AF3, F6AF5, F6AF6, F6AF7, SBLK4P, SBLK4U
	<b>Unknown-29</b> F6AD1
	<b>Unknown-09</b> F6AC0, F6AC9, F6AD0, F6AD1, F6AD2, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AD8, F6AD9, F6AE0, F6AE1, F6AE2, F6AF2, F6AF5, F6AF6, F6AF7
	<b>Unknown-27</b> F6AD1, F6AE1
	<b>Unknown-28</b> F6AD1
	<b>Unknown-07</b> F6AC0, F6AC9, F6AD0, F6AD1, F6AD2, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AD8, F6AD9, F6AE0, F6AE1, F6AE2, F6AF2, F6AF5, F6AF6, F6AF7
	<b>Unknown-08</b> F6AC0, F6AC9, F6AD0, F6AD1, F6AD2, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AD8, F6AD9, F6AE0, F6AE1, F6AE2, F6AF2, F6AF5, F6AF6, F6AF7
	<b>Unknown-05</b> F6AC0, F6AC9, F6AD0, F6AD1, F6AD2, F6AD3, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AD8, F6AD9, F6AE0, F6AE1, F6AE2, F6AF2, F6AF5, F6AF6, F6AF7
	<b>Unknown-06</b> F6AC0, F6AC9, F6AD0, F6AD1, F6AD2, F6AD3, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AD8, F6AD9, F6AE0, F6AE1, F6AE2, F6AF2, F6AF5, F6AF6, F6AF7
	<b>Unknown-21</b> F6AC0, F6AD1, F6AD6DL, F6AE1, F6AE2
	<b>Unknown-03</b> F6AC0, F6AC9, F6AD0, F6AD1, F6AD2, F6AD3, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AD8, F6AD9, F6AE0, F6AE1, F6AE2, F6AF2, F6AF3, F6AF5, F6AF6, F6AF7, SBLK4P
	<b>Unknown-22</b> F6AC0, F6AD1, F6AE1, F6AE2
	<b>Unknown-04</b> F6AC0, F6AC9, F6AD0, F6AD1, F6AD2, F6AD3, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AD8, F6AD9, F6AE0, F6AE1, F6AE2, F6AF2, F6AF3, F6AF5, F6AF6, F6AF7, SBLK4P
	<b>Unknown-01</b> F6AC0, F6AC9, F6AD0, F6AD1, F6AD2, F6AD3, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AD8, F6AD9, F6AE0, F6AE1, F6AE2, F6AF2, F6AF3, F6AF5, F6AF6, F6AF7, SBLK4P, SBLK4U
	<b>Unknown-02</b> F6AC0, F6AC9, F6AD0, F6AD1, F6AD2, F6AD3, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AD8, F6AD9, F6AE0, F6AE1, F6AE2, F6AF2, F6AF3, F6AF5, F6AF6, F6AF7, SBLK4P, SBLK4U

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TIC

TIC	BNA
<b>Unknown-20</b>	F6AC0, F6AD1, F6AD5, F6AD6DL, F6AD7, F6AE1, F6AE2
<b>Unknown-25</b>	F6AD1, F6AE1
<b>Unknown-26</b>	F6AD1, F6AE1
<b>Unknown-23</b>	F6AD1, F6AE1, F6AE2
<b>Unknown-24</b>	F6AD1, F6AE1
<b>Unknown-16</b>	F6AC0, F6AD0, F6AD1, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AE0, F6AE1, F6AE2
<b>Unknown-17</b>	F6AC0, F6AD0, F6AD1, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AE1, F6AE2
<b>Unknown-18</b>	F6AC0, F6AD0, F6AD1, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AE1, F6AE2
<b>Unknown-19</b>	F6AC0, F6AD0, F6AD1, F6AD5, F6AD6DL, F6AD7, F6AE1, F6AE2
<b>Unknown-12</b>	F6AC0, F6AD0, F6AD1, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AD8, F6AE0, F6AE1, F6AE2
<b>Unknown-13</b>	F6AC0, F6AD0, F6AD1, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AD8, F6AE0, F6AE1, F6AE2
<b>Unknown-14</b>	F6AC0, F6AD0, F6AD1, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AE0, F6AE1, F6AE2
<b>Unknown-15</b>	F6AC0, F6AD0, F6AD1, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AE0, F6AE1, F6AE2
<b>Unknown-10</b>	F6AC0, F6AD0, F6AD1, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AD8, F6AD9, F6AE0, F6AE1, F6AE2, F6AF2, F6AF5
<b>Unknown-11</b>	F6AC0, F6AD0, F6AD1, F6AD4, F6AD5, F6AD6, F6AD6DL, F6AD7, F6AD8, F6AE0, F6AE1, F6AE2, F6AF2, F6AF5